History and aim of the conference

The First International Conference on Advanced Concepts on Mechanical Engineering was organized in 2004 by Mechanical Engineering Faculty ("Gheorghe Asachi" Technical University of Iasi). Then, it was organized every two years by the same faculty.

The mechanical engineer faces new challenges in the 21st century, as the machines are no longer a collection of spare mechanical parts that are put together. The new mechanical engineer has to successfully and effectively use his skills to practically apply engineering theories, methods and practices to overcome the problems from an array of technical specialties within the broad field of mechanical engineering. These include design of mechanical systems, thermal/fluid systems, alternative energy systems, manufacturing, mechatronics, robotics, materials and biomedical systems and devices.

The **aim of ACME** is to create the image of future mechanical systems, to initiate research in new areas bordering various research fields and to promote innovation in all its forms. The event will provide a forum for interaction between researchers and practitioners from academia and industry while promoting interaction between scientists and engineers. The conference will comprise technical and social programmes. The technical programme will include plenary and regular oral or poster presentations, exhibition.

Topics:

The topics of the conference will include but not limited to:

- Machine Design, Tribology and Surface Engineering, CAD and Mechanical Vibrations, Mechatronics (section 1)
- Theory of Mechanisms and Machinery, Robotics (section 2)
- Mechanics of Deformable Bodies (section 3)
- Automotive and Internal Combustion Engines (section 4)
- Applied Thermodynamics, Heat Transfer and Renewable Energy, Thermal Systems Engineering (section 5)
- Technologies in Agriculture and Food Processing (section 6)

Fees:

- 100 €, including proceedings and conference dinner

Conference Chairman

Cezar OPRISAN, Romania

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NOTE OF ATTENDANCE

Name and surname

Position and institution

Mail address

Phone number

E – mail:

Title of the paper*

Authors

***one note of attendance for each paper**

Ideas for the round table

Other suggestions

Date

Signature

Local Organising Committee

Chair

Ioan DOROFTEI

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Deadlines:

- Deadline for one page abstract submission by e-mail: 15th of February 2010
- Notification of acceptance: 28th of February 2010
- Deadline for full paper submission: 15th of April 2010

General information:

- Abstracts will be submitted in electronic form, by e-mail, to the responsible of each section.
- The accepted papers will be published in a special number of the Scientific Bulletin, “Gh. Asachi” Technical University of Iasi.
- You will find new information about the conference on the WEB page: http://mec.tuiasi.ro/acme_2010

THE 4TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS ON MECHANICAL ENGINEERING

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